

# Candidate Information Bulletin



## STATE OF UTAH Journeyman Plumber Residential Journeyman Plumber

### Examinations

- Utah Plumbers Licensing Examination for Journeyman Plumber
- Utah Plumbers Licensing Examination for Residential Journeyman Plumber

### Eligibility and Exam Registration

Eligibility to sit for a license qualification test is determined by the state of Utah, Division of Occupational and Professional Licensing. For applications and detailed information about eligibility requirements, write, phone or download the information from the Internet:

**State of Utah**  
**Department of Commerce**  
**Division of Occupational and**  
**Professional Licensing**  
160 East 300 South, P.O. Box 146741  
Salt Lake City, UT 84114-7641  
Phone: 801.530.6628  
<http://www.dopl.utah.gov>

### Applications, Fees and Registering for the Examinations

Applications and application fees must be submitted to the state of Utah, Division of Occupational and Professional Licensing. If you are approved to take the examination, the Division will send a letter of approval to you.

This letter will include information about registering for your plumbing examination.

Practical Examination: If you are registering for the Practical Examination, please complete and submit your approval letter to Experior at least 10 working days before the examination.

Written Examination: If you are registering for the Written Examination, please complete and submit

your approval letter to Experior. Please select an examination date and time of your choice. The written examination is administered five days a week (Mon.-Fri.) at Experior located at 5486 South 1900 West, Suite C, Taylorsville, Utah 84118.

The written examination is administered using Experior's user friendly, Microsoft® Windows-based, computerized testing system. Experior uses IBM compatible personal computers, similar to what you may have at home or in your business. You do not need any computer experience to use this system. In fact, you will only need to use five keys on the keyboard to take the test. (The other keys are disabled—there is no way you can harm the computer, the program, or the test by touching the wrong key.)

Prior to beginning your written examination you may take a practice examination to become familiar with the computer testing system. A staff member will be available to help you if you need further assistance.

You will receive your written examination score at the conclusion of the examination.

Examination fees are to be made payable to Experior by check or money order, and mailed to:

**Experior**  
5486 South 1900 West, Suite C  
Taylorsville, UT 84118  
Phone: 801.355.5009

The examination fee for new applicants is **\$105** (fees subject to change) which includes materials for the practical examination. The fee is **\$80** for retaking the written examination and **\$90** for retaking the practical examination.

### Practical Examination Dates

The Practical examinations are scheduled for the first Saturday in:

February  
April  
June

August  
October  
December

verification of your disability prior to scheduling your examination.

#### Admission to the Practical Examination

Each approved candidate will be sent an Admission Letter. The Admission Letter will show the name of the examination, the date the examination will be given, the address of the examination center and the time for reporting to the examination.

The Journeyman Practical examination will start at 8 a.m. Check-in for the Journeyman examination is 7:45 a.m. The Residential Journeyman Practical examination will start at 9 a.m. Check-in for the Residential exam is 8:45 a.m. If candidate numbers require, a second session will be added.

Only preregistered candidates will be admitted to the examination. No walk-in applicants will be admitted.

Those not appearing on the date and at the time shown on the Admission Letter will forfeit all fees. Persons arriving after the examination supervisor has started will not be admitted. If you lose your Admission Letter, or have not received an Admission Letter two days before the examination date, contact Experiior immediately. Notify the Division of Occupational and Professional Licensing and Experiior of any change of address.



#### Safety Regulations



Due to OSHA Title 29, Subpart E, Section 1926.102 requirements and candidate safety, all candidates will be required to wear safety glasses while soldering.



**Candidates not bringing safety glasses to the exam will not be allowed to complete the solder and/or brazing projects, and will receive a failing grade on those parts.**

All torches should be in a safe condition prior to being brought into the test room.

#### Candidates with Special Needs

If you require a special testing accommodation under the Americans with Disabilities Act (ADA), please contact Experiior to obtain an Accommodation Request Form. You will be required to submit written

### What to Bring to the Practical Exam

**CAUTION:** Torches and tools must be in a safe condition and shall not be shared with other examinees. Candidates must wear safety glasses while soldering.

#### ALL CANDIDATES SHOULD BRING

1. Torch(es) capable of:
  - a. brazing up to one inch copper pipe
  - b. soldering copper assembly project
2. 1 tape measure
3. 1 tubing cutter (copper)
4. 1 tubing cutter (PVC Schedule 40)
5. 1 reamer
6. 1 level with 45 degree reading
7. 1 framing or carpenter's square
8. Tools to perform copper and plastic pipe assemblies
9. Bricks to support work
10. Safety glasses for soldering

#### DO NOT BRING:

1. Solder/flux
  2. Primer/solvent cement (for the plastic pipe project)
  3. Brazing alloy rods
  4. Scratch paper
- (These materials will be provided at the exam site.)

**No Jigs allowed.**

**NO MATERIALS MAY BE SHARED BY EXAMINEES**

### What To Bring To The Written Exam

Bring the following to the examination:

- Your Admission Letter;
- One official photo-bearing identification.

You may **ONLY** use the following for the Written Examination:

1. *International Plumbing Code*, 2000
  2. *Utah Amendments to the International Plumbing Code*, 2000
  3. *International Mechanical Code*, 1998, Chapter 13, Fuel Gas Piping
  4. *Good Practices for Gas Piping and Applicant Installation*, (Questar) most recent edition
  5. A silent, nonprinting calculator
- IPC Commentary books are NOT allowed.

### Description of the Written Examinations

The *Written* examination consists of 100 multiple-choice questions. You will have three and one-half hours to complete this examination. A minimum of 70 percent of the examination questions must be answered correctly to pass the examination. The following is a content outline of the examination:

#### **Residential Plumber w/Gas**

<b>DWV</b>	<b>24</b>
Building Sewers	
Cleanouts	
Sanitary Drains	
Sanitary Vents	
Ejectors	
Traps	
Interceptors	
<b>GENERAL KNOWLEDGE</b>	<b>20</b>
General Regulations	
Materials	
Joints and Connections	
Hangers and Supports	
Testing and Inspection	
Repairs	
<b>WATER SUPPLY</b>	<b>14</b>
Distribution Systems	
Backflow Prevention	
Building Supply	
Water Heaters	
<b>FUEL GAS SYSTEMS</b>	<b>7</b>
LP Gas	
Natural Gas (except sizing)	
<b>PLUMBING FIXTURES</b>	<b>5</b>
Appliances	
Faucets and Trim	
Fixtures	
Floor Fixtures	
Installation	
<b>EXCAVATION</b>	<b>3</b>
Excavation and Trenching	
<b>SEPTIC TANK SYSTEMS</b>	<b>2</b>
Design	
Installation	
Required	
Size	
<b>DWV PIPE SIZING</b>	<b>15</b>
Drain Isometric Analysis	
Vent Isometric Analysis	
<b>GAS PIPE SIZING</b>	<b>5</b>
Sizing	

<b>GEN MATH</b>	<b>5</b>
Pipe Offsets	
Cross Sectional Area	
Tank Capacity	
Head Pressure	
Water Volume	
Water Flow	

## **Journeyman Plumber w/Gas**

<b>DWV</b>	<b>24</b>
Building Sewers	
Cleanouts	
Sanitary Drains	
Sanitary Vents	
Ejectors	
Traps	
Interceptors	
<b>GENERAL KNOWLEDGE</b>	<b>18</b>
General Regulations	
Materials	
Joints and Connections	
Hangers and Supports	
Testing and Inspection	
Repairs	
<b>WATER SUPPLY SYSTEMS</b>	<b>16</b>
Distribution Systems	
Backflow Prevention	
Building Supply	
Water Heaters	
<b>FUEL GAS SYSTEMS</b>	<b>5</b>
LP Gas	
Natural Gas (except sizing)	
<b>INDIRECT WASTE</b>	<b>2</b>
Installation	
receptors	
Required	
Size	
<b>STORM PIPING</b>	<b>2</b>
Design	
Drain Types	
Installation	
Required	
90.50 Size	
<b>PLUMBING FIXTURES</b>	<b>3</b>
Appliances	
Faucets and Trim	
Fixtures	
Floor Fixtures	
Installation	
<b>EXCAVATION</b>	<b>3</b>
Excavation and Trenching	

<b>SEPTIC TANK SYSTEMS</b>	<b>2</b>
Design	
Installation	
Required	
Size	
<b>DWV PIPE SIZING</b>	<b>15</b>
Drain Isometric Analysis	
Vent Isometric Analysis	
<b>GAS PIPE SIZING</b>	<b>5</b>
Sizing	
<b>GEN MATH</b>	<b>5</b>
Pipe Offsets	
Cross Sectional Area	
Tank Capacity	
Head Pressure	
Water Volume	
Water Flow	

The *Journeyman Practical* examination consists of three parts: a copper brazing project, a plastic (PVC Schedule 40) assembly project, and a copper assembly project. You will be required to complete all three projects in three and one-half hours.

The *Residential Journeyman Practical* consists of a copper solder project and a plastic (PVC Schedule 40) assembly project. You will have two and one-half hours to complete both projects.

Scores
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Your *Written* examination score is based on the number of questions you answer correctly. You will not be given credit for any question that has been answered incorrectly or has been left blank. Be sure to mark an answer for each question. There is no penalty for guessing. The score for your *Written* examination will be issued immediately after the examination.

The *Journeyman Practical* examination scores will be determined by the sum of the scores from all three parts. Maximum scores on each part are as follows:

Copper Brazing:	34 points
Plastic Assembly:	33 points
Copper Assembly:	33 points

The *Residential Journeyman Practical* examination scores will be determined by the sum of the scores from both parts. Maximum scores on each part are as follows:

Plastic Assembly:	33 points
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Copper Assembly: 33 points

The minimum passing score is 70 percent.

**Your Practical examination scores will be mailed within 15 days after the examination date.** All scores are mailed simultaneously. To insure confidentiality, **examination scores will not be given over the telephone.**

#### Copyrighted Exam Questions

All test questions are the copyrighted property of Experior Assessments™, LLC. It is forbidden under federal copyright law to copy, reproduce, record, distribute or display these test questions by any means, in whole or in part, without our written permission. Doing so may subject you to severe civil and criminal penalties, including up to five years in prison and/or a \$250,000 fine for criminal violations.

#### Appeal Committee

Our goal at Experior is to provide a quality test and a pleasant testing experience to every candidate. If you are dissatisfied with either and believe we can correct the problem, we would like to hear from you. You may contact one of our Candidate Support Specialists at 800.853.5448 to discuss your concern. The Candidate Support Specialist will direct your inquiry to the appropriate individual for response.

We try to resolve candidate concerns at the testing site or on the phone whenever possible. If you feel that your concern has not been resolved, you must put your comments in writing to the following address:

Experior  
ATTN: Appeal Committee  
1360 Energy Park Drive  
St. Paul, MN 55108-5252  
Fax: 800.347.9242

**If your concern is regarding the content of the exam, you must mail your concern to Experior,** as only original signatures can be accepted. No faxes are allowed. If your concern is regarding registration, scheduling or test administration (testing site procedures, equipment, personnel, etc.), you may either mail or fax your concern to Experior. In your letter, include your name, your Social Security number, the name of the exam, the date you tested and a specific description of your concern and the

relevant facts surrounding it. Experior will arrive at a resolution, and you will receive a response in writing from the Appeal Committee within 10 business days of receipt at Experior.

### Reviews

Candidates failing the practical examination may make arrangements with Experior to review their projects. The cost for the review is **\$35**, payable to Experior. Please call Experior at 801.355.5009 for review information.

Candidates who do not pass the written examination will be allowed an opportunity to review the items they answered incorrectly on the examination. **This is not an oral review.** Information on taking the review will be sent with scores. Review of the written examination is **\$50**.

### References

The primary reference for the plumbing examination is the *International Plumbing Code*, 2000, and the *Utah Amendments to the International Plumbing Code, 2000*. The reference materials listed below will be helpful to candidates preparing for this examination. These materials might NOT contain all the general knowledge required to be competent in the trade or to pass the examination. You may contact a bookstore or library for similar reference materials.

1. *International Plumbing Code*, 2000
2. *Utah Amendments to the International Plumbing Code*, 2000

3. *International Mechanical Code*, 1998, Chapter 13, Fuel Gas Piping
4. *Onsite Wastewater Rules*, 2001
5. *Mathematics for Plumbers and Pipefitters*, Smith, Guest, D'Arcangelo, D'Arcangelo
6. *Plumbing*, 1997, L.V. Ripka
7. *Good Practices for Gas Piping and Appliance Installation*, (Questar) most recent edition

For information on how to obtain examination references, call toll-free

**877.624.2562**